

INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2005/001294

A. CLASSIFICATION OF SUBJECT MATTER		
Int.Cl. ⁷ H01L21/205, 21/20, 33/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Int.Cl. ⁷ H01L21/205, 21/20, 33/00, 21/304, C23C16/00-16/56, H01S5/323, 5/343		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched <small>Published examined utility model applications of Japan 1922-1996 Published unexamined utility model applications of Japan 1971-2005 Registered utility model specifications of Japan 1996-2005 Published registered utility model applications of Japan 1994-2005</small>		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/0207125 A1 (Haruo Sunakawa) 2003.11.06, paragraph[0114]-[0117], [0148]-[0153] & JP 2001-122693 A	1-17
A	JP 10-125608 A (SHOWA DENKO K.K.) 1998.05.15, paragraph[0023]-[0027] (Family: none)	1-17
X	JP 2000-319099 A (Hiroyuki Matsunami) 2000.11.21, paragraph[0035]-[0040] & WO 2000/068474 A1	13-15
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search		Date of mailing of the international search report
26.04.2005		17.5.2005
Name and mailing address of the ISA/JP		Authorized officer
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